

**RECEIVED****AUG 30 2001****TECH CENTER 1800/2900**
Docket No.: 2283/301**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant :	Leivan DeVeylder et al)	Examiner:
)	C. Collins
Serial No. :	09/574,735)	
)	Art Unit:
Conf. No. :	1507)	1638
)	
Filed :	May 18, 2000)	
)	
For :	CYCLIN-DEPENDENT KINASE INHIBITORS)	
	AND USES THEREOF)	

STATEMENT UNDER 37 C.F.R. § 1.825(a) AND (b)

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

I hereby state that support for the substitute paper copy of the Sequence Listing exists in the above-captioned application as originally filed. The substitute paper copy of the Sequence Listing submitted herewith does not add new matter to the application as originally filed. In addition, the information recorded in the substitute computer readable form (CRF) of the Sequence Listing submitted herewith, is identical to the information contained in the substitute paper copy of the Sequence Listing.

Respectfully submitted,

Ann R. Pokalsky
Ann R. Pokalsky
Registration No. 34,697

Dated: August 24, 2001

Nixon Peabody LLP
990 Stewart Avenue
Garden City, New York 11530-4838
Telephone: (516) 832-7572
Facsimile: (516) 832-7555
ARP/mm

G198835.1

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

I certify that the attached correspondence is being deposited
on 8/24/01 with the U.S. Postal Service as first class mail
under 37 C.F.R. § 1.8 and addressed to:
Assistant Commissioner for Patents, Washington, D.C. 20231.

Maria I. Matos
Maria I. Matos



Application No.: **09/574735**

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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AUG 30 2001

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SEQUENCE LISTING

<110> De Veylder, Lieven
Beeckman, Tom
Inzé, Dirk
Van Camp, Wim
Krols, Luc

<120> Cyclin-dependent kinase inhibitors and uses thereof

<130> 2283/301

<140> US 09/574,735

<141> 2000-05-18

<160> 48

<170> PatentIn version 3.0

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Ser	Cys	Cys	Ser	Thr	Ser	Glu	Glu	Lys	Ser	Lys	Arg	Arg	Ile	Glu	Phe								
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Val	Asp	Leu	Glu	Glu	Asn	Asn	Gly	Asp	Asp	Arg	Glu	Thr	Glu	Thr	Ser								
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Trp Ile Tyr Asp Asp Leu Asn Lys Ser Glu Glu Ser Met Asn Met Asp	
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Ser Ser Ser Val Ala Val Glu Asp Val Glu Ser Arg Arg Arg Leu Arg	
140 145 150	
aag agt ctc cat gag acg gtg aag gaa gct gag tta gaa gat ttt ttt	592
Lys Ser Leu His Glu Thr Val Lys Glu Ala Glu Leu Glu Asp Phe Phe	
155 160 165	
cag gtg gcg gag aaa gat ctt cgg aat aag ttg ttg gaa tgt tct atg	640
Gln Val Ala Glu Lys Asp Leu Arg Asn Lys Leu Leu Glu Cys Ser Met	
170 175 180 185	
aag tat aac ttc gat ttc gag aaa gat gag cca ctt ggt gga gga aga	688
Lys Tyr Asn Phe Asp Phe Glu Lys Asp Glu Pro Leu Gly Gly Gly Arg	
190 195 200	
tac gag tgg gtt aaa ttg aat cca tgaagaagac gatgatgata atgatgatca	742
Tyr Glu Trp Val Lys Leu Asn Pro	
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Val Val Ile Val Arg Arg Arg Asp Ser Pro Pro Val Glu Glu Gln Cys	
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145 150 155 160	
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Arg Asn Lys Leu Leu Glu Cys Ser Met Lys Tyr Asn Phe Asp Phe Glu	
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Thr Leu Ala Leu Lys Arg Leu Asn Ser Ser Ala Ala Asp Ser Ala Leu
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cct aac gac tct tct tgc tat ctt cag ctc cgt agc cgc cgt ctc gag      193
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 50 55 60
 Gln Asn Leu Ser Val Ser Ser Asp Ser Tyr Leu Gln Leu Arg Asn Arg
 65 70 75 80
 Arg Leu Lys Arg Pro Leu Ile Arg Gln His Ser Ala Lys Arg Asn Lys
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 Gly His Asp Gly Asn Pro Lys Ser Pro Ile Gly Asp Ser Ile Ala Glu
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 Glu Lys Thr Val Gln Lys Ser Pro Glu Pro Glu Asn Ala Glu Phe Lys
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ggagctggat ccttttgaa ttcattg 27

<210> 29
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Probe or
Primer

<400> 29
taggagcata tggcggcgg 19

<210> 30
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Probe or
Primer

<400> 30
atcatcgaat tcttcatgga ttc 23

<210> 31
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Probe or
Primer

<400> 31
atatcagcgc catggaagtc 20

<210> 32
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Probe or
Primer

<400> 32
ggagctggat ccttttgga ttcattgg 27

<210> 33
<211> 11
<212> PRT
<213> Arabidopsis thaliana

<220>
<221> UNSURE
<222> (5)
<223> Xaa at position 5 may be Asp or Glu

<220>
<221> UNSURE
<222> (6)..(8)

<223> Xaa at any of positions 6, 7 or 8 may be any amino acid

<400> 33

Val Arg Arg Arg Xaa Xaa Xaa Xaa Val Glu Glu
1 5 10

<210> 34

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)..(3)

<223> Xaa at positions 2 and 3 may be any amino acid

<400> 34

Phe Xaa Xaa Lys Tyr Asn Phe Asp
1 5

<210> 35

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (1)

<223> Xaa at position 1 may be Pro or Leu

<220>

<221> UNSURE

<222> (3)

<223> Xaa at position 3 may be any amino acid

<400> 35

Xaa Leu Xaa Gly Arg Tyr Glu Trp
1 5

<210> 36

<211> 10

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)

<223> Xaa at position 2 may be any amino acid

<220>

<221> UNSURE

<222> (4)

<223> Xaa at position 4 may be Asp or Glu

<220>

<221> UNSURE

<222> (7)..(9)

<223> Xaa at positions 7, 8 or 9 may be any amino acid

<400> 36

Glu Xaa Glu Xaa Phe Phe Xaa Xaa Xaa Glu
1 5 10

<210> 37

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)

<223> Xaa at position 2 may be any amino acid

<400> 37

Tyr Xaa Gln Leu Arg Ser Arg Arg
1 5

<210> 38

<211> 9

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (5)

<223> Xaa at position 5 may be Met or Ile

<220>

<221> UNSURE

<222> (6)

<223> Xaa at position 6 may be Lys or Arg

<220>

<221> UNSURE

<222> (8)

<223> Xaa at position 8 may be any amino acid

<220>

<221> UNSURE

<222> (9)

<223> Xaa at position 9 may be Lys or Arg

<400> 38

Met Gly Lys Tyr Xaa Xaa Lys Xaa Xaa
1 5

<210> 39

<211> 8

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> UNSURE

<222> (2)

<223> Xaa at position 2 may be any amino acid

<400> 39
Ser Xaa Gly Val Arg Thr Arg Ala
1 5

<210> 40
<211> 327
<212> PRT
<213> Arabidopsis thaliana

<400> 40
Met Gly Lys Tyr Ile Arg Lys Ser Lys Ile Asp Gly Ala Gly Ala Gly
1 5 10 15
Ala Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Glu Ser Ser Ile Ala
20 25 30
Leu Met Asp Val Val Ser Pro Ser Ser Ser Ser Leu Gly Val Leu
35 40 45
Thr Arg Ala Lys Ser Leu Ala Leu Gln Gln Gln Gln Gln Arg Cys Leu
50 55 60
Leu Gln Lys Pro Ser Ser Pro Ser Ser Leu Pro Pro Thr Ser Ala Ser
65 70 75 80
Pro Asn Pro Pro Ser Lys Gln Lys Met Lys Lys Lys Gln Gln Gln Met
85 90 95
Asn Asp Cys Gly Ser Tyr Leu Gln Leu Arg Ser Arg Arg Leu Gln Lys
100 105 110
Lys Pro Pro Ile Val Val Ile Arg Ser Thr Lys Arg Arg Lys Gln Gln
115 120 125
Arg Arg Asn Glu Thr Cys Gly Arg Asn Pro Asn Pro Arg Ser Asn Leu
130 135 140
Asp Ser Ile Arg Gly Asp Gly Ser Arg Ser Asp Ser Val Ser Glu Ser
145 150 155 160
Val Val Phe Gly Lys Asp Lys Asp Leu Ile Ser Glu Ile Asn Lys Asp
165 170 175
Pro Thr Phe Gly Gln Asn Phe Phe Asp Leu Glu Glu Glu His Thr Gln
180 185 190
Ser Phe Asn Arg Thr Thr Arg Glu Ser Thr Pro Cys Ser Leu Ile Arg
195 200 205
Arg Pro Glu Ile Met Thr Thr Pro Gly Ser Ser Thr Lys Leu Asn Ile
210 215 220
Cys Val Ser Glu Ser Asn Gln Arg Glu Asp Ser Leu Ser Arg Ser His
225 230 235 240
Arg Arg Arg Pro Thr Thr Pro Glu Met Asp Glu Phe Phe Ser Gly Ala
245 250 255
Glu Glu Glu Gln Gln Lys Gln Phe Ile Glu Lys Tyr Val Phe Pro Arg
260 265 270
Phe Ile Cys Ser Val Leu Leu Val Met Ser Phe Gln Phe Val Leu Phe
275 280 285
Phe Ser Phe Gly Leu Val Ser Leu Met Val Ser Val Asn Ser Phe Phe
290 295 300
Arg Tyr Asn Phe Asp Pro Val Asn Glu Gln Pro Leu Pro Gly Arg Phe
305 310 315 320
Glu Trp Thr Lys Val Asp Asp
325

<210> 41
<211> 22
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Probe or
Primer

<400> 41

agaccatggc ggcggttagg ag

22

<210> 42

<211> 12

<212> PRT

<213> Tag-100 epitope

<400> 42

Glu Glu Thr Ala Arg Phe Gln Pro Gly Tyr Arg Ser
1 5 10

<210> 43

<211> 10

<212> PRT

<213> c-myc epitope

<400> 43

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1 5 10

<210> 44

<211> 7

<212> PRT

<213> FLAG-epitope

<400> 44

Asp Tyr Lys Asp Asp Asp Lys
1 5

<210> 45

<211> 9

<212> PRT

<213> HA-epitope

<400> 45

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 46

<211> 12

<212> PRT

<213> protein C epitope

<400> 46

Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys
1 5 10

<210> 47

<211> 11

<212> PRT
<213> VSV epitope

<400> 47
Tyr Thr Asp Ile Glu Met Asn Arg Leu Gly Lys
1 5 10

<210> 48
<211> 9
<212> DNA

<400> 48
agg aga aga
Arg Arg Arg
1

12